Datasheet for ABIN387760

anti-VEGFD antibody (C-Term, N-Term)

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Overview

Quantity:	400 µL
Target:	VEGFD (Figf)
Binding Specificity:	C-Term, N-Term
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VEGFD antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This monoclonal antibody is generated from mice immunized with three KLH conjugated synthetic peptides corresponding to N-terminal, central, and C-terminal sequences of human VEGF4.
Clone:	28AT743-288-48
Isotype:	IgG1
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	VEGFD (Figf)
Alternative Name:	VEGF4 (Figf Products)

Target Details

Background:	The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family and is active in angiogenesis, lymphangiogenesis, and endothelial cell growth. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-2 and VEGFR-3 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor C.
Molecular Weight:	40444
Gene ID:	2277
NCBI Accession:	NP_004460
UniProt:	O43915
Pathways:	RTK Signaling

Application Details

Application Notes:	WB: 1:4000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

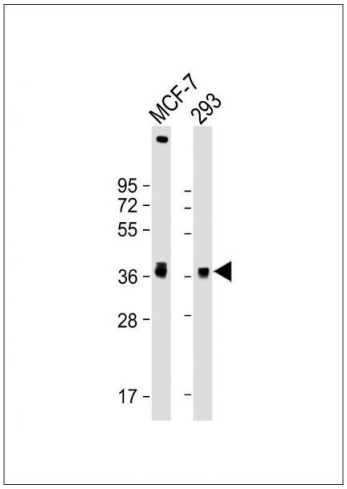
Product cited in:	Yuan, Cui, Wang, Ke, Wang, Lou, Gao, Qu: "Acetyl-11-keto-beta-boswellic acid (AKBA) prevents human colonic adenocarcinoma growth through modulation of multiple signaling pathways." in:

Publications

Biochimica et biophysica acta, Vol. 1830, Issue 10, pp. 4907-16, (2013) (PubMed).

Greenow, Clarke, Jones: "Chk1 deficiency in the mouse small intestine results in p53-independent crypt death and subsequent intestinal compensation." in: **Oncogene**, Vol. 28, Issue 11, pp. 1443-53, (2009) (PubMed).

Images



Western Blotting

Image 1. All lanes : Anti-VEGF4 Antibody at 1:4000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: 293 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 40 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.